DCN

SEVIER RIVER DISTRIBUTION SYSTEM

** 1962 ASSESSMENT **

Class I	$	20,790.00
Class II		750.00
Total 1962	$	21,540.00

BASIS OF ASSESSMENT:

The minutes of the 1962 Annual Water Users' Meeting stipulate that the State Engineer assess all Class I Water Users on the basis of acre-feet of water delivered by the Commissioner's official report during 1961 at such a pro-rata rate as will produce $ 20,790.00. All Class II water users' on a second-foot basis weighted according to the various 5-group delivery at such a pro-rata rate as will produce $750.00.

CALCULATION OF ASSESSMENT:

The total water reported by the Commissioner's as being delivered during the 1961 season was:

Class I	292,968.00	Acre-feet
Class II	2,251.27	Units (C.F.S.)*

*NOTE: Units are on a weighted basis, the value of which is 10-4-3-2-1, for the five groups of Class II water. These weighted values are then converted into C.F.S. (Cubic Feet per second)

(1) Cost of one "pro-rata" acre-foot of water for Class I is determined as follows:

$ 20,790.00 divided by 292,968.00 acre-feet of water equals $0.0709633817 cost for one such acre foot of water which is then multiplied by the number of acre-feet of water which each listed user is reported as having received from the Commissioner.

(2) Cost of one unit (C.F.S.) of water for Class II Users is determined as follows:

$ 750.00 divided by 2,251.27 units (CFS) equals $ 0.3331452914 cost of one such unit which is then multiplied by the number of units listed for such water users.

PROOF:

CLASS	I	292,968 A/Ft times $ 0.0709633817 equals	$ 20,790.00
CLASS	II	2,251.27 units times $ 0.3331452914 equals	750.00
		TOTAL.	$ 21,540.00

Prepared by: Frank Reese

Frank Reese
Business Manager
March 15, 1962

A S S E S S M E N T

BASIS FOR COMPUTING ASSESSMENTS FOR THE SEVIER RIVER DISTRIBUTION SYSTEM /1

It is believed that the following information may be of value to the water users of the Sevier River by enabling those who wish to check their annual assessments when their water rights and water deliveries are known.

The assessments are computed from the past year's water delivery or decreed c.f.s. of water right and a standard ratio. This ratio is computed by the state engineer from the total of the c.f.s. of water right, and the past year's water delivery, and the regular assessment adopted by the water users each year.

The following information was taken largely from the basis of assessment adopted by the Sevier River water users in the past.

I. Formulae for Computing Assessments.

A. REGULAR ASSESSMENTS

$A_r = A_1 + A_2$

Class 1	Class 2
$A_1 = \Sigma A_i$	$A_2 = \Sigma A_i$
$R_1 = \frac{A_r - A_2}{\Sigma A_d}$	$A_i = A_{cfs} \times W \times R_2$
$A_i = A_d \times R_1$	$R_2 = \frac{A_r - A_1}{\Sigma A_{cfs}}$

Where:

A_t ...	Total assessment in dollars
A_1 ...	Assessment for Class 1 rights in dollars.
A_2 ...	Assessment for Class 2 rights in dollars.
A_a ...	Assessment for Sevier River Association in dollars.
A_i ...	Individual assessment in dollars.
A_d ...	Past year's water delivery in acre feet.
R_1 ...	Calculated ratio, cost per acre foot for the Class 1 users.
R_2 ...	Calculated ratio, cost per c.f.s. of right for Class 2 users
R_a ...	Calculated ratio, cost per acre foot for Sevier River Association.
W ...	Weighted unit for Class 2 users.
A_r ...	Regular assessment in dollars as adopted each year by the water users.

B. ASSOCIATION ASSESSMENT

$A_a = \Sigma A_i$

1. Individual assessment.

$$A_i = A_d \times R_a$$

$$R_a = \frac{A_a}{\Sigma A_d}$$

C. TOTAL ASSESSMENT

$A_t = A_r + A_a$

II. BASIC DATA FOR COMPUTING ASSESSMENTS

1. Past year's water delivery in acre feet.
2. Classes of water (Assumed).
   Class 1 .... All rights from Sevier River channel and those tributaries that require extensive regulation.
   Class 2 .... Those rights tributary to the Sevier River which do not require regular visits by the commissioners. This class is divided into five subclasses and weighted according to needed regulation.

Sub Class	1	2	3	4	5
(W) Weighted unit	10	4	3	2	1

3. Total regular assessment as adopted by the water users each year.
4. Association operational assessment.

/1 Prepared by DONALD C. NORSETH, Distribution Engineer, and FRANK REESE, Comptroller, UTAH STATE ENGINEER'S OFFICE, December 1961.